	Application No.	Applicant(s)	
Nation of Allowshills	10/667,814	BERNER ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Bruce F. Bell	1746	
The MAILING DATE of this communication apper. All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) (NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOT (of the Office or upon petition by the applicant. See 37 CFR 1.313	OR REMAINS) CLOSED in this apport of the appropriate communication GHTS. This application is subject to	lication. If not included will be mailed in due course. TH	
 This communication is responsive to the application as filed 	l on 09/22/2003.		
2. ☑ The allowed claim(s) is/are <u>11-45</u> .			
3. $igstyle$ The drawings filed on <u>22 September 2003</u> are accepted by	the Examiner.		
4.	been received. been received in Application No uments have been received in this r of this communication to file a reply of ENT of this application. ted. Note the attached EXAMINER's reason(s) why the oath or declarat be submitted. on's Patent Drawing Review (PTO-S Amendment / Comment or in the O S4(c)) should be written on the drawing he header according to 37 CFR 1.121(c) it of BIOLOGICAL MATERIAL m	complying with the requirements S AMENDMENT or NOTICE OF ion is deficient. 148) attached ffice action of gs in the front (not the back) of hours to be submitted. Note the	е .
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 12/22/2003 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summary (Paper No./Mail Date 3), 7. ☑ Examiner's Amendm	ent/Comment nt of Reasons for Allowance	
		Bruce F. Bell Primary Examiner Art Unit: 1746	

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Oath/Declaration

1. The oath or declaration is defective. A new oath or declaration in compliance with 37 CFR 1.67(a) identifying this application by application number and filing date is required. See MPEP §§ 602.01 and 602.02.

The oath or declaration is defective because:

The oath and declaration has been signed by only one inventor. A new oath and declaration is required with all the inventors of this application signing the oath and declaration.

2. Applicant is now required to submit a substitute declaration or oath to correct the deficiencies set forth above. The substitute oath or declaration must be filed within the THREE MONTH shortened statutory period set for reply in the "Notice of Allowability" (PTO-37). Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136. Failure to timely file the substitute declaration (or oath) will result in ABANDONMENT of the application. The transmittal letter accompanying the declaration (or oath) should indicate the date of the "Notice of Allowance" (PTOL-85) and the application number in the upper right hand corner.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

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Change the beginning paragraph for the specification that was submitted in the preliminary amendment to the following:

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This application is a continuation of U.S. Application No. 09/910,299, filed July 20, 2001, now U.S. Patent No. 6,627,051, which is a divisional of U.S. Application No. 09/440,761, filed November 16, 1999, now U.S. Patent No. 6,322,674, which is a divisional of U.S. Application No. 08/933,450, filed September 18, 1997, now U.S. Patent No. 6,004,440, and entitled "Cathode Current Control System for a Wafer Electroplating Apparatus".

REASONS FOR ALLOWANCE

4. The following is an examiner's statement of reasons for allowance:

The prior art of record fails to teach and/or suggest an electroplating apparatus having a current control system as set forth in the instant claims, wherein the electroplating current flowing through each respective electrode is controlled in order to more uniformly coat the plating material over the surface of the object to be plated. The control system circuit for regulating and adjusting the resistance elements by way of the current supplied to the resistance elements is also not taught or suggested.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bruce F. Bell whose telephone number is 571-272-1296.

The examiner can normally be reached on Monday-Friday 6:30 AM - 3:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy Gulakowski can be reached on 571 272-1302. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

BFB June 10, 2004 Bruce F. Bell
Primary Examiner
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